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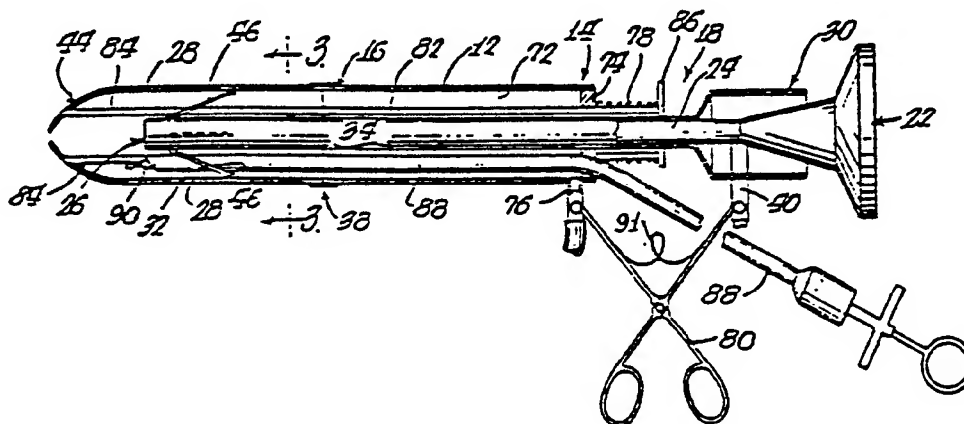
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 (56) Documents cited by ISA  
 US 2621651A  
 US 4146019A  
 US 3799151A  
 US 1624716A  
 US 765879A  
 US 2483233A  
 IT 483587A  
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(71) Applicants  
 Laserscope Inc.,  
 (USA—Nevada),  
 2452 East Oakton Street,  
 Arlington Heights,  
 Illinois 6005,  
 United States of America  
 (72) Inventors  
 Stephen R. Ash  
 Marvin P. Loeb  
 (74) Agent and/or  
 Address for Service  
 Bromhead & Co.,  
 30 Cursitor Street,  
 Chancery Lane,  
 London EC4A 1LT

## (54) Surgical device for internal operations

(57) A surgical device having an instrument assembly associated with tissue parting means (28) for separating body tissue to provide viewing and operating room for the instrument assembly. A portion of the surgical device (16) is inserted into a patient's body and the tissue parting means (28) engaged to enlarge or create a cavity within the patient's tissue. The tissue can then be viewed by a viewing system (18) carried on the instrument assembly. Tissue collecting means (90) can also be used to obtain tissue samples and laser irradiation can be carried by the assembly (192) to control bleeding and remove tissue.



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